

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>ST0020</b>	Overall LMA Rating	Total LMA Miles							
<b>Sutter Maintenance Yard East-West Interceptor</b>	<b>U</b>	<b>4.79</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.82		0.82	17.12%					
Trim / Thin Trees	0.23	0.16	0.87	18.16%					
Encroachments					0.16				
Animal Control		0.01	0.04	0.83%					
Erosion / Bank Caving	0.49	0.02	0.57	11.90%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.30				
<i>LMA Totals:</i>	1.54	0.19	2.30	48.01%	0.46	0.00	0.00	0.00	

  

<b>Unit No. 01 West Levee RB</b>	Overall Unit Rating	Total Unit Miles							
<b>ST0020</b>	<b>U</b>	<b>1.75</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Trim / Thin Trees	0.18	0.16	0.82	46.97%					
Encroachments					0.13				
Erosion / Bank Caving	0.03		0.03	1.72%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.06				
<i>Unit Totals:</i>	0.21	0.16	0.85	48.69%	0.19	0.00	0.00	0.00	

  

<b>Unit No. 02 East Levee LB</b>	Overall Unit Rating	Total Unit Miles							
<b>ST0020</b>	<b>U</b>	<b>3.05</b>							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.82		0.82	26.93%					
Trim / Thin Trees	0.05		0.05	1.64%					
Encroachments					0.03				
Animal Control		0.01	0.04	1.31%					
Erosion / Bank Caving	0.46	0.02	0.54	17.73%					
<i>Supplemental</i>									
DRAFT DWR UCIP Field Study					0.24				
<i>Unit Totals:</i>	1.33	0.03	1.45	47.62%	0.27	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Fall 2019 Levee Inspection Results****Sutter Maintenance Yard East-West Interceptor**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	5/8/2019 - 5/8/2019		9/17/2019 - 9/17/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	David Julian DWR DFM			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	<b>9</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0020_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>10</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0020_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	<b>11</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0020_01_s_2013_11				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2018.					

No Photos

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.20	Rating **	M	Issue No.	12
LM End	0.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171565 °	39.171565 °
				-121.756293 °	-121.756293 °
DWR ID	DWR_ST0020_01_s_2017_12				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_12\_20190822\_00001.jpg



View of the prunings along the waterside slope.

LM Start	0.32	Rating **	M	Issue No.	6
LM End	0.32	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171440 °	39.171440 °
				-121.754013 °	-121.754013 °
DWR ID	DWR_ST0020_01_f_2019_6				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

No Photos

LM Start	0.42	Rating **	M	Issue No.	7
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171407°	39.171407°
				-121.752178°	-121.752178°
DWR ID	DWR_ST0020_01_f_2019_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.45	Rating **	M	Issue No.	14
LM End	0.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171453 °	39.171453 °
				-121.751603 °	-121.751603 °
DWR ID	DWR_ST0020_01_f_2018_14				
Comment Code					
PR : Prunings					
Inspector Comment					
Removed the prunings from the landside crown.					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_14\_20190822\_00002.jpg



View of the prunings along the landside crown.

LM Start	0.51	Rating **	U	Issue No.	25
LM End	0.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171392°	39.171345°
				-121.750478°	-121.747585°
DWR ID	DWR_ST0020_01_f_2016_25				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Olleanders are significantly blocking visibility and access.					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_25\_20190918\_00026.jpg



View of the olleanders that are significantly blocking vehicle access. Fall 2019.

LM Start	0.67	Rating **	M	Issue No.	8
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171362°	39.171324°
				-121.747578°	-121.744518°
DWR ID	DWR_ST0020_01_f_2019_8				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.89	Rating **	M	Issue No.	26	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171317 °	39.171317 °	
				-121.743474 °	-121.743474 °	
DWR ID	19417					
Comment Code						
Inspector Comment						
DS_ID:19417 FS_ID:55464 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Groundwater system does not cross high ground section (known as project levee). Record will remain part of UCIP's inventory however, pipe does not go through the designated project levee. Record remains Non-Urgent, no permit has been found authorizing this crossing. Groundwater well appears to be abandoned. The power meter has been removed. (O. Magana - DWR UCIP)4/10/2017 Crossing appears to have been abandoned. (DWR Sutter Yard- A Freitag)4/19/2016 Meter has been removed from the power box and the power lines have been disconnected from the pole and pump. Appears this crossing may have been abandoned.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: *NOT THROUGH LEVEE* 12-inch steel irrigation pipe crosses over canal above crown elevation. Chain link enclosure on the landside (LS) with pump, power line, and shutoff valve. 24-inch concrete standpipe on unprotected side of canal. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 2/12/2019 10:18:00 AM						

LM Start	<b>0.89</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.89</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55464\_11344.jpg



Pump, meter, power pole, slide gate, and chainlink fence on LS with 24-inch concrete standpipe on unprotected side of canal.

Photo 2 of 3 : UCIP\_FA\_2019\_55464\_74963.jpg



Meter removed from box and disconnected power lines

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.89	Rating **	M	Issue No.	26 (cont)	
LM End	0.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171317 °	39.171317 °	
				-121.743474 °	-121.743474 °	
DWR ID	19417					
Comment Code						
Inspector Comment						
DS_ID:19417 FS_ID:55464 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Groundwater system does not cross high ground section (known as project levee). Record will remain part of UCIP's inventory however, pipe does not go through the designated project levee. Record remains Non-Urgent, no permit has been found authorizing this crossing. Groundwater well appears to be abandoned. The power meter has been removed. (O. Magana - DWR UCIP)4/10/2017 Crossing appears to have been abandoned. (DWR Sutter Yard- AFreitag)4/19/2016 Meter has been removed from the power box and the power lines have been disconnected from the pole and pump. Appears this crossing may have been abandoned.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: *NOT THROUGH LEVEE* 12-inch steel irrigation pipe crosses over canal above crown elevation. Chain link enclosure on the landside (LS) with pump, power line, and shutoff valve. 24-inch concrete standpipe on unprotected side of canal. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 2/12/2019 10:18:00 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55464\_78912.jpg



WS view: groundwater pipe system located on WS and across opposite bank.

LM Start	0.94	Rating **	M	Issue No.	16
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171333 °	39.171333 °
				-121.742577 °	-121.741827 °
DWR ID	DWR_ST0020_01_f_2016_16				
Comment Code					
FE : Fence					
Inspector Comment					
The fence should be removed from the landside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_16\_20190822\_00004.jpg



View of an unauthorized fence by a landowner.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.94	Rating **	M	Issue No.	17
LM End	0.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171333 °	39.171333 °
				-121.742577 °	-121.741827 °
DWR ID	DWR_ST0020_01_f_2016_17				
Comment Code					
CR : Crops					
Inspector Comment					
The nut trees should be removed from the landside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_17\_20190822\_00005.jpg



View of the nut trees planted by a landowner.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.09	Rating **	M	Issue No.	27
LM End	1.09	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.171301 °	39.171301 °	
			-121.739799 °	-121.739799 °	
DWR ID	19434				

**Comment Code**

**Inspector Comment**

DS\_ID:19434  
FS\_ID:55465  
EP\_NO: 12746-1  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Steel deflector has been removed (2018) and replaced with 24-inch flap gate. Record remains Non-Urgent, recommend an internal inspection due to potential maintenance issues along the joints (see photo dated 2019-02-12 10:48) of the pipe. (O. Magana - DWR UCIP)4/10/2017 Overgrown vegetation blocking access to pipe. Could not be inspected. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. Still no flap gate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition. Still no flap gate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)5/12/2015 Still no flap gate on pipe end but I believe the LS inlet is high enough to not allow water to flow through pipe. (DWR Sutter Yard - afreitag)11/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/12/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/4/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/15/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/16/2012 There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee (high ground levee), 2 feet below the crown. Flap gate is located on the outlet visible on the waterside (WS). Inlet is about 430 feet from WS outlet on Butte Avenue. (24-inch pipe authorized under Permit No. 12746, 1979 - Dan Garcia; Name change and flap gate authorized for existing 24-inch pipe under Permit No. 12746-1, 2016 - County of Sutter).  
FS Date: 2/12/2019 10:19:00 AM

Photo 1 of 3 : UCIP\_FA\_2019\_55465\_11345.jpg



Outlet in channel with steel deflector over pipe outlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.09	Rating **	M	Issue No.	27 (cont)	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171301 °	39.171301 °	
				-121.739799 °	-121.739799 °	
DWR ID	19434					
Comment Code						
Inspector Comment						

DS\_ID:19434  
FS\_ID:55465  
EP\_NO: 12746-1  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Steel deflector has been removed (2018) and replaced with 24-inch flap gate. Record remains Non-Urgent, recommend an internal inspection due to potential maintenance issues along the joints (see photo dated 2019-02-12 10:48) of the pipe. (O. Magana - DWR UCIP)4/10/2017 Overgrown vegetation blocking access to pipe. Could not be inspected. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. Still no flap gate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition. Still no flap gate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)5/12/2015 Still no flap gate on pipe end but I believe the LS inlet is high enough to not allow water to flow through pipe. (DWR Sutter Yard - afreitag)11/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/12/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/4/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/15/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/16/2012 There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee (high ground levee), 2 feet below the crown. Flap gate is located on the outlet visible on the waterside (WS). Inlet is about 430 feet from WS outlet on Butte Avenue. (24-inch pipe authorized under Permit No. 12746, 1979 - Dan Garcia; Name change and flap gate authorized for existing 24-inch pipe under Permit No. 12746-1, 2016 - County of Sutter).  
FS Date: 2/12/2019 10:19:00 AM

Photo 2 of 3 : UCIP\_FA\_2019\_55465\_78915.jpg



WS view: internal view of concrete pipe recommend internal inspection to determine severity of potential issues marked in red.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	<b>1.09</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>1.09</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.171301 °	39.171301 °
				-121.739799 °	-121.739799 °
DWR ID	19434				

**Comment Code**

**Inspector Comment**

DS\_ID:19434  
FS\_ID:55465  
EP\_NO: 12746-1  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Steel deflector has been removed (2018) and replaced with 24-inch flap gate. Record remains Non-Urgent, recommend an internal inspection due to potential maintenance issues along the joints (see photo dated 2019-02-12 10:48) of the pipe. (O. Magana - DWR UCIP)4/10/2017 Overgrown vegetation blocking access to pipe. Could not be inspected. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. Still no flap gate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition. Still no flap gate installed on the WS but unsure if its even necessary. (DWR Sutter Yard - afreitag)5/12/2015 Still no flap gate on pipe end but I believe the LS inlet is high enough to not allow water to flow through pipe. (DWR Sutter Yard - afreitag)11/17/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/12/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/4/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/15/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/16/2012 There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet. (DWR UCIP - wwylie)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee (high ground levee), 2 feet below the crown. Flap gate is located on the outlet visible on the waterside (WS). Inlet is about 430 feet from WS outlet on Butte Avenue. (24-inch pipe authorized under Permit No. 12746, 1979 - Dan Garcia; Name change and flap gate authorized for existing 24-inch pipe under Permit No. 12746-1, 2016 - County of Sutter).  
FS Date: 2/12/2019 10:19:00 AM

Photo 3 of 3 : UCIP\_FA\_2019\_55465\_78916.jpg



Overview of levee crown looking east towards crossings (24- and 8-inch pipes).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.09	Rating **	M	Issue No.	28
LM End	1.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.171296 °	39.171296 °
				-121.739779 °	-121.739779 °
DWR ID	20115				
Comment Code					
Inspector Comment					
DS_ID:20115 FS_ID:55466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Recommend clearing sediment build up inside pipe. Records remains Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Overgrown vegetation was blocking access to this pipe. It was not inspected. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 New flap gate installed on WS pipe end.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pipe not permitted and has no flap gate. FIELD_STRUCT_DESC: 8-inch corrugated metal drainage pipe through the levee (high ground levee), 1.5 feet below the crown. Outlet visible on the waterside (WS). Flap gate installed in 2014. Unable to locate the inlet on the landside (LS). No permit has been identified since crossing was field discovered in 2012. Pipe drains adjacent property. FS Date: 2/12/2019 10:19:00 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55466\_64242.jpg



Pipe at outlet on WS crown.

LM Start	<b>1.09</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>1.09</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55466\_64400.jpg



Enter photo 2 description or comment here.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.09	Rating **	M	Issue No.	28 (cont)	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171296 °	39.171296 °	
				-121.739779 °	-121.739779 °	
DWR ID	20115					
Comment Code						
Inspector Comment						
DS_ID:20115 FS_ID:55466 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Recommend clearing sediment build up inside pipe. Records remains Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Overgrown vegetation was blocking access to this pipe. It was not inspected. (DWR Sutter Yard- A Freitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - a Freitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 New flap gate installed on WS pipe end.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pipe not permitted and has no flap gate. FIELD_STRUCT_DESC: 8-inch corrugated metal drainage pipe through the levee (high ground levee), 1.5 feet below the crown. Outlet visible on the waterside (WS). Flap gate installed in 2014. Unable to locate the inlet on the landside (LS). No permit has been identified since crossing was field discovered in 2012. Pipe drains adjacent property. FS Date: 2/12/2019 10:19:00 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55466\_78922.jpg



WS view: flap gate visible on WS.

LM Start	1.10	Rating **	M	Issue No.	15
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171290°	39.171290°
				-121.739639°	-121.739639°
DWR ID	DWR_ST0020_01_s_2019_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_15\_20190822\_00003.jpg



View of the trees on the landside slope. Spring 2019.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.12	Rating **	M	Issue No.	19
LM End	1.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171284 °	39.171284 °
				-121.739272 °	-121.739272 °
DWR ID	DWR_ST0020_01_f_2016_19				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_19\_20190822\_00007.jpg



View of the prunings along the landside toe.

LM Start	1.26	Rating **	M	Issue No.	20
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171243 °	39.171243 °
				-121.736661 °	-121.736661 °
DWR ID	DWR_ST0020_01_f_2016_20				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.30	Rating **	M	Issue No.	29	
LM End	1.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171217°	39.171217°	
				-121.735898°	-121.735898°	
DWR ID	19433					
Comment Code						
Inspector Comment						
DS_ID:19433 FS_ID:55467 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. System description was updated based on permit records and field observations. Crossing has been updated to a drainage pipe and not an irrigation pipe. Record has been updated from No Action Needed to Non-Urgent due to some damage observed on the WS slope. Damage to the WS slope should be addressed as part of the maintenance requirement. (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - a Freitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.5/12/2014 Same as last inspection.11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe through the levee (high ground levee), 2 feet below the crown. Flap gate located on the waterside (WS). Pipe runs from building on the landside (LS) toe to canal. Line is an intermittent line only that conveys water from over-pressure relief and bypass valves in a municipal water pump station on adjacent Sutter Community Services District property. Permit was issued for a 6-inch polyvinyl chloride (PVC) water line to be allowed outside the project levee section and outside 10 feet of the levee toes and steel within the project levee section. (6-inch and 12-inch pipes, different locations, authorized under Permit No. 15946, 1992 - Sutter Community Services District; design sketch available in permit, page 21-23). FS Date: 2/12/2019 10:19:00 AM						

Photo 1 of 3 : UCIP\_FA\_2019\_55467\_11347.jpg



Pipe at LS shoulder next to canal.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.30	Rating **	M	Issue No.	29 (cont)	
LM End	1.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171217°	39.171217°	
				-121.735898°	-121.735898°	
DWR ID	19433					
Comment Code						
Inspector Comment						
DS_ID:19433 FS_ID:55467 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. System description was updated based on permit records and field observations. Crossing has been updated to a drainage pipe and not an irrigation pipe. Record has been updated from No Action Needed to Non-Urgent due to some damage observed on the WS slope. Damage to the WS slope should be addressed as part of the maintenance requirement. (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.5/12/2014 Same as last inspection.11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe through the levee (high ground levee), 2 feet below the crown. Flap gate located on the waterside (WS). Pipe runs from building on the landside (LS) toe to canal. Line is an intermittent line only that conveys water from over-pressure relief and bypass valves in a municipal water pump station on adjacent Sutter Community Services District property. Permit was issued for a 6-inch polyvinyl chloride (PVC) water line to be allowed outside the project levee section and outside 10 feet of the levee toes and steel within the project levee section. (6-inch and 12-inch pipes, different locations, authorized under Permit No. 15946, 1992 - Sutter Community Services District; design sketch available in permit, page 21-23). FS Date: 2/12/2019 10:19:00 AM						

Photo 2 of 3 : UCIP\_FA\_2019\_55467\_11346.jpg



Flap gate on pipe end.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.30	Rating **	M	Issue No.	29 (cont)	
LM End	1.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171217°	39.171217°	
				-121.735898°	-121.735898°	
DWR ID	19433					
Comment Code						
Inspector Comment						
DS_ID:19433 FS_ID:55467 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. System description was updated based on permit records and field observations. Crossing has been updated to a drainage pipe and not an irrigation pipe. Record has been updated from No Action Needed to Non-Urgent due to some damage observed on the WS slope. Damage to the WS slope should be addressed as part of the maintenance requirement. (O. Magana - DWR UCIP)4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.5/12/2014 Same as last inspection.11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 6-inch polyvinyl chloride (PVC) drainage pipe through the levee (high ground levee), 2 feet below the crown. Flap gate located on the waterside (WS). Pipe runs from building on the landside (LS) toe to canal. Line is an intermittent line only that conveys water from over-pressure relief and bypass valves in a municipal water pump station on adjacent Sutter Community Services District property. Permit was issued for a 6-inch polyvinyl chloride (PVC) water line to be allowed outside the project levee section and outside 10 feet of the levee toes and steel within the project levee section. (6-inch and 12-inch pipes, different locations, authorized under Permit No. 15946, 1992 - Sutter Community Services District; design sketch available in permit, page 21-23). FS Date: 2/12/2019 10:19:00 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55467\_78926.jpg



Overview of levee crown (high ground) looking east where pipe crosses.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.33	Rating **	M	Issue No.	22
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171218 °	39.171218 °
				-121.735258 °	-121.735258 °
DWR ID	DWR_ST0020_01_f_2016_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_22\_20190822\_00009.jpg



View of the erosion along the bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.34	Rating **	M	Issue No.	30
LM End	1.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.171198°	39.171198°
				-121.735125°	-121.735125°
DWR ID	19432				
Comment Code					
Inspector Comment					
DS_ID:19432 FS_ID:55468 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Record has been updated from No Action Needed to Non-Urgent due to some erosion and scour visible on the WS. Erosion and scour hole visible on the WS slope should be addressed as part of the maintenance for this high ground levee. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 LS inlet has been cleaned out. Crossing appears in good condition.05/12/2015 LS inlet is still completely blocked with soil.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/15/2013 Same as last inspection.11/04/2013 Same as last inspection.10/16/2012 Inlet is completely blocked with soil. FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee (high ground levee), 2 feet below the crown. Pipe is encased in concrete. Flap gate is located on the waterside (WS). Landside (LS) inlet filled with soil. (12-inch and 6-inch pipes, different locations, authorized under Permit No. 15946, 1992 - Sutter Community Services District; design sketch available in permit, page 21-23). FS Date: 2/12/2019 10:19:00 AM					

Photo 1 of 3 : UCIP\_FA\_2019\_55468\_11350.jpg



Coated CMP at outlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.34	Rating **	M	Issue No.	30 (cont)	
LM End	1.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171198 °	39.171198 °	
				-121.735125 °	-121.735125 °	
DWR ID	19432					
Comment Code						
Inspector Comment						
DS_ID:19432 FS_ID:55468 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Record has been updated from No Action Needed to Non-Urgent due to some erosion and scour visible on the WS. Erosion and scour hole visible on the WS slope should be addressed as part of the maintenance for this high ground levee. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 LS inlet has been cleaned out. Crossing appears in good condition.05/12/2015 LS inlet is still completely blocked with soil.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/15/2013 Same as last inspection.11/04/2013 Same as last inspection.10/16/2012 Inlet is completely blocked with soil. FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee (high ground levee), 2 feet below the crown. Pipe is encased in concrete. Flap gate is located on the waterside (WS). Landside (LS) inlet filled with soil. (12-inch and 6-inch pipes, different locations, authorized under Permit No. 15946, 1992 - Sutter Community Services District; design sketch available in permit, page 21-23). FS Date: 2/12/2019 10:19:00 AM						

Photo 2 of 3 : UCIP\_FA\_2019\_55468\_11349.jpg



Flap gate and pipe at canal.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.34	Rating **	M	Issue No.	30 (cont)	
LM End	1.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171198°	39.171198°	
				-121.735125°	-121.735125°	
DWR ID	19432					
Comment Code						
Inspector Comment						
DS_ID:19432 FS_ID:55468 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Record has been updated from No Action Needed to Non-Urgent due to some erosion and scour visible on the WS. Erosion and scour hole visible on the WS slope should be addressed as part of the maintenance for this high ground levee. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 LS inlet has been cleaned out. Crossing appears in good condition.05/12/2015 LS inlet is still completely blocked with soil.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/15/2013 Same as last inspection.11/04/2013 Same as last inspection.10/16/2012 Inlet is completely blocked with soil. FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee (high ground levee), 2 feet below the crown. Pipe is encased in concrete. Flap gate is located on the waterside (WS). Landside (LS) inlet filled with soil. (12-inch and 6-inch pipes, different locations, authorized under Permit No. 15946, 1992 - Sutter Community Services District; design sketch available in permit, page 21-23). FS Date: 2/12/2019 10:19:00 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55468\_11348.jpg



Soil filled inlet on LS of crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.36	Rating **	M	Issue No.	31	
LM End	1.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171198 °	39.171198 °	
				-121.734833 °	-121.734833 °	
DWR ID	19422					
Comment Code						
Inspector Comment						
DS_ID:19422						
FS_ID:55469						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit was found authorizing crossing. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. Pipe material is concrete. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.						
FIELD_STRUCT_DESC: 30-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. 30-inch steel pipe also passes over canal in same alignment. [Additional Reference(s): DWR Levee Log, Revised 1990].						
FS Date: 2/12/2019 10:20:00 AM						

LM Start	<b>1.36</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>1.36</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55469\_11353.jpg



WS of pipe at outlet.

Photo 2 of 3 : UCIP\_FA\_2019\_55469\_11352.jpg



LS of pipe at inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.36	Rating **	M	Issue No.	31 (cont)	
LM End	1.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171198°	39.171198°	
				-121.734833°	-121.734833°	
DWR ID	19422					
Comment Code						
Inspector Comment						
DS_ID:19422						
FS_ID:55469						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 02/12/2019 Unit 1 known as the West Levee (West Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue or an unauthorized encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit was found authorizing crossing. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. Pipe material is concrete. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.						
FIELD_STRUCT_DESC: 30-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. 30-inch steel pipe also passes over canal in same alignment. [Additional Reference(s): DWR Levee Log, Revised 1990].						
FS Date: 2/12/2019 10:20:00 AM						

Photo 3 of 3 : UCIP\_FA\_2019\_55469\_11351.jpg



30-inch steel pipe crossing over canal.

LM Start	1.36	Rating **	M	Issue No.	24
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171220°	39.171220°
				-121.734730°	-121.734730°
DWR ID	DWR_ST0020_01_f_2016_24				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_213\_24\_20190822\_00010.jpg



View of the erosion along the bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	<b>1.39</b>	Rating **	M	Issue No.	<b>13</b>
LM End	<b>1.39</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.171220°	39.171220°	
			-121.734147°	-121.734147°	
DWR ID	DWR_ST0020_01_f_2019_13				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

Waterway			Bank	Unit Miles
Unit No. 02 East Levee			Left	3.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	5/8/2019 - 5/8/2019		9/19/2019 - 9/19/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	David Julian DWR DFM			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.01	Rating **	M	Issue No.	33
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171164 °	39.171025 °
				-121.726190 °	-121.721526 °
DWR ID	DWR_ST0020_02_f_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_33\_20190920\_00081.jpg



View of the vegetation along the waterside slope. Fall 2019.

LM Start	0.01	Rating **	M	Issue No.	34
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171159 °	39.171024 °
				-121.726173 °	-121.721526 °
DWR ID	DWR_ST0020_02_f _ 2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_34\_20190920\_00082.jpg



View of the vegetation along the landside slope. Fall 2019.

LM Start	0.23	Rating **	M	Issue No.	12
LM End	0.23	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171094 °	39.171094 °
				-121.722129 °	-121.722129 °
DWR ID	DWR_NA0020_02_s_2012_12				
Comment Code					
GA : Garbage					
Inspector Comment					
Tires should be removed from the waterside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_12\_20190822\_00006.jpg



View of the tires along the WS toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.25	Rating **	M	Issue No.	9
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171081°	39.171081°
				-121.721759°	-121.721759°
DWR ID	DWR_NA0020_02_s_2012_9				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_9\_20190822\_00005.jpg



View of the debris along the landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	41	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171064 °	39.171064 °	
				-121.721443 °	-121.721443 °	
DWR ID	19424					
Comment Code						
Inspector Comment						
DS_ID:19424 FS_ID:55470 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe and pipe has been abandoned. Pump and power pole have been removed. 15-inch pipe through the levee was found. Limited access to levee, UCIP inspection was completed by accessing the opposite bank. Pipe has been abandoned. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/11/2016 Unable to locate.04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.5/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate. FIELD_STRUCT_DESC: 15-inch galvanized iron irrigation pipe through the levee (high ground levee), at an unknown depth. 15 horsepower (HP) pump and power pole located on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135, May 1953, (HLM 0.27), Page 11, Location Section 10, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:15:00 PM						

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55470\_78937.jpg



Overview of levee crown(high ground) photo taken from opposite bank.

Photo 2 of 3 : UCIP\_FA\_2019\_55470\_78939.jpg



WS view: evidence that 15-inch pipe is still present through levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	41 (cont)	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171064 °	39.171064 °	
				-121.721443 °	-121.721443 °	
DWR ID	19424					
Comment Code						
Inspector Comment						
DS_ID:19424 FS_ID:55470 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe and pipe has been abandoned. Pump and power pole have been removed. 15-inch pipe through the levee was found. Limited access to levee, UCIP inspection was completed by accessing the opposite bank. Pipe has been abandoned. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/11/2016 Unable to locate.04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.5/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate. FIELD_STRUCT_DESC: 15-inch galvanized iron irrigation pipe through the levee (high ground levee), at an unknown depth. 15 horsepower (HP) pump and power pole located on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135, May 1953, (HLM 0.27), Page 11, Location Section 10, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:15:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55470\_78938.jpg



WS view: pipe found through bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	42	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171082 °	39.171082 °	
				-121.721344 °	-121.721344 °	
DWR ID	20116					
Comment Code						
Inspector Comment						
DS_ID:20116 FS_ID:55471 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pipe. The pump station is located inside the canal. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 22-inch steel irrigation pipe through the levee (high ground levee), 2.5 feet below the crown. Pumping plant located on the waterside (WS) shoulder. Pipe, flap gate, vent, and headwall located on the landside (LS) in canal. Metal pier in stream with flap gate on the LS. 8-inch standpipe/vent on the LS. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:16:00 PM						

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55471\_78946.jpg



Overview of structure through non-levee section.

Photo 2 of 3 : UCIP\_FA\_2019\_55471\_78940.jpg



Overview of levee section (high ground) where pumping structure is located, photo taken from opposite bank.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	42 (cont)	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171082 °	39.171082 °	
				-121.721344 °	-121.721344 °	
DWR ID	20116					
Comment Code						
Inspector Comment						
DS_ID:20116 FS_ID:55471 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pipe. The pump station is located inside the canal. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 22-inch steel irrigation pipe through the levee (high ground levee), 2.5 feet below the crown. Pumping plant located on the waterside (WS) shoulder. Pipe, flap gate, vent, and headwall located on the landside (LS) in canal. Metal pier in stream with flap gate on the LS. 8-inch standpipe/vent on the LS. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:16:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55471\_78941.jpg



WS view: irrigation structure (west side), photo taken from opposite bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	43	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171088 °	39.171088 °	
				-121.721323 °	-121.721323 °	
DWR ID	20117					
Comment Code						
Inspector Comment						
DS_ID:20117 FS_ID:55472 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pipe. The pump station is located inside the canal. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 32-inch steel irrigation pipe through the levee (high ground levee), 2.5 feet below the crown. Pipe, flap gate, vent, and headwall located on the landside (LS) in canal. Metal pier in stream with flap gate on the LS. 8-inch standpipe/vent located on the LS. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:16:00 PM						

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55472\_78953.jpg



Overview of structure through non-levee section.

Photo 2 of 3 : UCIP\_FA\_2019\_55472\_78947.jpg



Overview of levee section (high ground) where pumping structure is located, photo taken from opposite bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	43 (cont)	
LM End	0.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171088 °	39.171088 °	
				-121.721323 °	-121.721323 °	
DWR ID	20117					
Comment Code						
Inspector Comment						
DS_ID:20117						
FS_ID:55472						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pipe. The pump station is located inside the canal. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.						
FIELD_STRUCT_DESC: 32-inch steel irrigation pipe through the levee (high ground levee), 2.5 feet below the crown. Pipe, flap gate, vent, and headwall located on the landside (LS) in canal. Metal pier in stream with flap gate on the LS. 8-inch standpipe/vent located on the LS. No permit has been identified since crossing was field discovered in 2012.						
FS Date: 2/12/2019 12:16:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55472\_78948.jpg



WS view: irrigation structure (west side), photo taken from opposite bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.28	Rating **	M	Issue No.	44
LM End	0.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.171090 °	39.171090 °
				-121.721267 °	-121.721267 °
DWR ID	20118				
Comment Code					
Inspector Comment					
DS_ID:20118 FS_ID:55473 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. The pump station is located inside the canal. No permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: *NOT THROUGH LEVEE* 3-inch galvanized iron electrical conduit through the levee (high ground levee), 4 feet below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:16:00 PM					

LM Start	<b>0.28</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>0.28</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55473\_78954.jpg



Overview of levee section (high ground) where pumping structure is located, photo taken from opposite bank.

Photo 2 of 3 : UCIP\_FA\_2019\_55473\_14332.jpg



power pole likely end point for pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.28	Rating **	M	Issue No.	44 (cont)	
LM End	0.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171090 °	39.171090 °	
				-121.721267 °	-121.721267 °	
DWR ID	20118					
Comment Code						
Inspector Comment						
DS_ID:20118 FS_ID:55473 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. The pump station is located inside the canal. No permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: *NOT THROUGH LEVEE* 3-inch galvanized iron electrical conduit through the levee (high ground levee), 4 feet below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:16:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55473\_78956.jpg



WS view: irrigation structure (east side), photo taken from opposite bank.

LM Start	0.30	Rating **	M	Issue No.	31
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171061 °	39.171061 °
				-121.720853 °	-121.720853 °
DWR ID	DWR_ST0020_02_f_2016_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_31\_20190822\_00009.jpg



View of the overgrown trees blocking visibility and access.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>0.39</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.171067°	39.171067°
				-121.719217°	-121.719217°
DWR ID	19425				

**Comment Code**

**Inspector Comment**

DS\_ID:19425  
FS\_ID:55474  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, pipe and appurtenances have been abandoned. No permit has been identified authorizing this pipe. Concrete "U" headwall was visible from opposite bank. (O. Magana - DWR UCIP)04/10/2017 Abandoned. (DWR Sutter Yard - A Freitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard - a Freitag)04/19/2016 Abandoned crossing.05/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned.  
FIELD\_STRUCT\_DESC: 8-inch galvanized iron irrigation pipe through the levee (high ground levee), 2 feet below the crown. 7.5 horsepower (HP) pump located in canal on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135 (revision), May 1953, (HLM 0.39), Page 11, Location Section 12, As-Built Drawing No. 50-10-2816].  
FS Date: 2/12/2019 12:17:00 PM

LM Start	<b>0.39</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55474\_78958.jpg



Overview of levee section (high ground), photo taken from opposite bank.

Photo 2 of 3 : UCIP\_FA\_2019\_55474\_78959.jpg



Overview of levee section (high ground), photo taken from opposite bank just upstream from pipe crossing.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.39	Rating **	M	Issue No.	45 (cont)	
LM End	0.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.171067°	39.171067°	
				-121.719217°	-121.719217°	
DWR ID	19425					
Comment Code						
Inspector Comment						
DS_ID:19425 FS_ID:55474 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, pipe and appurtenances have been abandoned. No permit has been identified authorizing this pipe. Concrete "U" headwall was visible from opposite bank. (O. Magana - DWR UCIP)04/10/2017 Abandoned. (DWR Sutter Yard- A Freitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard - a Freitag)04/19/2016 Abandoned crossing.05/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned. FIELD_STRUCT_DESC: 8-inch galvanized iron irrigation pipe through the levee (high ground levee), 2 feet below the crown. 7.5 horsepower (HP) pump located in canal on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135 (revision), May 1953, (HLM 0.39), Page 11, Location Section 12, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:17:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55474\_78960.jpg



Overview of levee section (high ground), photo taken from opposite bank just downstream from pipe crossing.

LM Start	0.43	Rating **	M	Issue No.	35
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171071 °	39.171065 °
				-121.718331 °	-121.717959 °
DWR ID	DWR_ST0020_02_f_2019_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.53	Rating **	M	Issue No.	28
LM End	0.53	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171028 °	39.171028 °
				-121.716475 °	-121.716475 °
DWR ID	DWR_ST0020_02_s _ 2016_28				
Comment Code					
DE : Debris					
Inspector Comment					
Tires and tree clippings should be removed from the waterside shoulder.					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_28\_20190822\_00008.jpg



View of the tires along the waterside berm.

LM Start	0.55	Rating **	M	Issue No.	36
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171031 °	39.171031 °
				-121.716206 °	-121.716206 °
DWR ID	DWR_ST0020_02_f _ 2019_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.74	Rating **	M	Issue No.	46
LM End	0.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170989 °	39.170989 °
				-121.712650 °	-121.712650 °
DWR ID	19426				
Comment Code					
Inspector Comment					
DS_ID:19426 FS_ID:55475 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, pipe and appurtenances have been abandoned. No permit has been identified authorizing this pipe. Power meter has been removed. (O. Magana - DWR UCIP)04/10/2017 Abandoned. (DWR Sutter Yard-AFreitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard -afreitag)04/19/2016 Abandoned crossing.05/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 12-inch galvanized iron irrigation pipe through the levee, 6 feet below the crown (high ground levee). 10 horsepower (HP) pump in the canal, and power pole located on the waterside (WS). 36-inch concrete standpipe located on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135, May 1953, (HLM 0.74), Page 11, Location Section 19, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:18:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55475\_78964.jpg



Overview of levee section (high ground) where pipe crosses.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.74	Rating **	M	Issue No.	46 (cont)	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170989 °	39.170989 °	
				-121.712650 °	-121.712650 °	
DWR ID	19426					
Comment Code						
Inspector Comment						
DS_ID:19426 FS_ID:55475 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, pipe and appurtenances have been abandoned. No permit has been identified authorizing this pipe. Power meter has been removed. (O. Magana - DWR UCIP)04/10/2017 Abandoned. (DWR Sutter Yard-AFreitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard - afreitag)04/19/2016 Abandoned crossing.05/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 12-inch galvanized iron irrigation pipe through the levee, 6 feet below the crown (high ground levee). 10 horsepower (HP) pump in the canal, and power pole located on the waterside (WS). 36-inch concrete standpipe located on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135, May 1953, (HLM 0.74), Page 11, Location Section 19, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:18:00 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_55475\_78963.jpg



LS view: concrete standpipe located on the LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.74	Rating **	M	Issue No.	46 (cont)	
LM End	0.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170989 °	39.170989 °	
				-121.712650 °	-121.712650 °	
DWR ID	19426					
Comment Code						
Inspector Comment						
DS_ID:19426 FS_ID:55475 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, pipe and appurtenances have been abandoned. No permit has been identified authorizing this pipe. Power meter has been removed. (O. Magana - DWR UCIP)04/10/2017 Abandoned. (DWR Sutter Yard-AFreitag)10/11/2016 Abandoned crossing.(DWR Sutter Yard -afreitag)04/19/2016 Abandoned crossing.05/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: 12-inch galvanized iron irrigation pipe through the levee, 6 feet below the crown (high ground levee). 10 horsepower (HP) pump in the canal, and power pole located on the waterside (WS). 36-inch concrete standpipe located on the landside (LS) shoulder. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 135, May 1953, (HLM 0.74), Page 11, Location Section 19, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:18:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55475\_11391.jpg



Concrete standpipe on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.01	Rating **	M	Issue No.	37
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170916°	39.170826°
				-121.707632°	-121.701979°
DWR ID	DWR_ST0020_02_f_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_37\_20190920\_00083.jpg



View of the vegetation along the waterside slope. Fall 2019.

LM Start	1.01	Rating **	M	Issue No.	47
LM End	1.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170907°	39.170907°
				-121.707520°	-121.707520°
DWR ID	19431				
Comment Code					
Inspector Comment					
DS_ID:19431 FS_ID:55476 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, status of pipe through the levee is unknown. DWR DMP Geophysical Investigation could not confirm pipe crossing. Record will remain on the UCIP inspection list. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/11/2016 Unable to locate.(DWR Sutter Yard -afreitag)04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee (high ground levee), 8 feet below the crown. [Additional Reference(s): DWR Levee Log, Revised 1990]. FS Date: 2/12/2019 12:18:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55476\_78969.jpg



LS view: overview of LS no evidence of pipe found.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.01	Rating **	M	Issue No.	47 (cont)	
LM End	1.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170907°	39.170907°	
				-121.707520°	-121.707520°	
DWR ID	19431					
Comment Code						
Inspector Comment						
DS_ID:19431 FS_ID:55476 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, status of pipe through the levee is unknown. DWR DMP Geophysical Investigation could not confirm pipe crossing. Record will remain on the UCIP inspection list. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/11/2016 Unable to locate.(DWR Sutter Yard - aFreitag)04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee (high ground levee), 8 feet below the crown. [Additional Reference(s): DWR Levee Log, Revised 1990]. FS Date: 2/12/2019 12:18:00 PM						

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55476\_78967.jpg



Overview of levee section (high ground) where pipe should cross.

Photo 3 of 3 : UCIP\_FA\_2019\_55476\_78968.jpg



WS view: overview of WS no evidence of pipe found.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.04	Rating **	M	Issue No.	48	
LM End	1.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170912°	39.170912°	
				-121.707095°	-121.707095°	
DWR ID	19439					
Comment Code						
Inspector Comment						
DS_ID:19439 FS_ID:55893 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, status of pipe through high ground levee is unknown. DWR DMP Geophysical Investigation could not confirm pipe crossing. Record will remain on the UCIP inspection list. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard - A Freitag)10/11/2016 Unable to locate.(DWR Sutter Yard - A Freitag)04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate10/16/2012 likely pipe underwater.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee (high ground levee), at an unknown depth. [Additional Reference(s): USACE Sacramento O&M Manual 135, May 1953, (HLM 1.04), Page 11, Location Section 22, As-Built Drawing No. 50-10-2816]. FS Date: 2/12/2019 12:19:00 PM						

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55893\_78970.jpg



LS view: overview of LS no evidence of pipe found.

Photo 2 of 3 : UCIP\_FA\_2019\_55893\_78971.jpg



Overview of levee section (high ground) where pipe should cross.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170912°	39.170912°
				-121.707095°	-121.707095°
DWR ID	19439				
Comment Code					
Inspector Comment					
<p>DS_ID:19439            FS_ID:55893            EP_NO: N/A            Repair Type: Non-Urgent            Crossing Status: Not Found            UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, status of pipe through high ground levee is unknown. DWR DMP Geophysical Investigation could not confirm pipe crossing. Record will remain on the UCIP inspection list. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard - A Freitag)10/11/2016 Unable to locate. (DWR Sutter Yard - A Freitag)04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate10/16/2012 likely pipe underwater.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate.            FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee (high ground levee), at an unknown depth. [Additional Reference(s): USACE Sacramento O&amp;M Manual 135, May 1953, (HLM 1.04), Page 11, Location Section 22, As-Built Drawing No. 50-10-2816].            FS Date: 2/12/2019 12:19:00 PM</p>					

Photo 3 of 3 : UCIP\_FA\_2019\_55893\_78972.jpg



WS view: overview of WS no evidence of pipe found.

LM Start	<b>1.32</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>1.35</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.170816°	39.170812°
				-121.701871°	-121.701269°
DWR ID	DWR_ST0020_02_s_2019_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.33	Rating **	U	Issue No.	39
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170817 °	39.170817 °
				-121.701704 °	-121.701704 °
DWR ID	DWR_ST0020_02_f_2019_39				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_39\_20190920\_00084.jpg



View of sloughing on the waterside slope. Fall 2019.

LM Start	1.40	Rating **	M	Issue No.	49	
LM End	1.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170878 °	39.170878 °	
				-121.700376 °	-121.700376 °	
DWR ID	19429					
Comment Code						
Inspector Comment						
DS_ID:19429 FS_ID:55478 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - a Freitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch steel irrigation pipe through the levee (high ground levee), 2 feet below the crown. Pump house on platform in canal. Flap gates in Sutter Slough. 7-inch diameter air vent riser located on the landside (LS) shoulder. Power pole on levee with electrical box. [Additional Reference(s): DWR Levee Logs, Revised 1990] FS Date: 2/12/2019 12:19:00 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_55478\_78979.jpg



Overview of structure through the non-levee section.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.40	Rating **	M	Issue No.	49 (cont)	
LM End	1.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170878 °	39.170878 °	
				-121.700376 °	-121.700376 °	
DWR ID	19429					
Comment Code						
Inspector Comment						
DS_ID:19429 FS_ID:55478 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch steel irrigation pipe through the levee (high ground levee), 2 feet below the crown. Pump house on platform in canal. Flap gates in Sutter Slough. 7-inch diameter air vent riser located on the landside (LS) shoulder. Power pole on levee with electrical box. [Additional Reference(s): DWR Levee Logs, Revised 1990] FS Date: 2/12/2019 12:19:00 PM						

LM Start	<b>1.40</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55478\_78973.jpg



Overview of structure located on the the East-West Interceptor, photo 1 of 2.

Photo 3 of 3 : UCIP\_FA\_2019\_55478\_78974.jpg



Overview of structure located on the the East-West Interceptor, photo 2 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.40	Rating **	M	Issue No.	50	
LM End	1.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170872 °	39.170872 °	
				-121.700319 °	-121.700319 °	
DWR ID	19440					
Comment Code						
Inspector Comment						
DS_ID:19440 FS_ID:55479 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation pipe through the levee (high ground levee), at an unknown depth below the crown. Siphon breaker located on the landside (LS) shoulder. Pump house on platform in canal on the waterside (WS). Flap gate in Sutter Slough. Power pole on levee with electrical box. [Additional Reference(s): DWR Levee Logs, Revised 1990] FS Date: 2/12/2019 12:21:00 PM						

LM Start	<b>1.40</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55479\_78980.jpg



Overview of structure through the non-levee section.

Photo 2 of 3 : UCIP\_FA\_2019\_55479\_78981.jpg



Overview of structure located on the East-West Interceptor, photo 1 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.40	Rating **	M	Issue No.	50 (cont)	
LM End	1.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170872 °	39.170872 °	
				-121.700319 °	-121.700319 °	
DWR ID	19440					
Comment Code						
Inspector Comment						
DS_ID:19440 FS_ID:55479 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation pipe through the levee (high ground levee), at an unknown depth below the crown. Siphon breaker located on the landside (LS) shoulder. Pump house on platform in canal on the waterside (WS). Flap gate in Sutter Slough. Power pole on levee with electrical box. [Additional Reference(s): DWR Levee Logs, Revised 1990] FS Date: 2/12/2019 12:21:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55479\_78982.jpg



Overview of structure located on the East-West Interceptor, photo 2 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.54	Rating **	M	Issue No.	51
LM End	1.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID	19423				

**Comment Code**

**Inspector Comment**

DS\_ID:19423

FS\_ID:55563

EP\_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. LS inlet was excavated to remove soil buildup. Barbed wire fence prevents access to LS inlet. Property owner has complained to the maintaining LMA (Sutter Yard) of flooding issues associated with clogged pipe and property owner would like the LMA to clean pipe. Need to determine ownership of pipe. (O. Magana - DWR UCIP)04/10/2017 LS inlet is buried, WS pipe outlet is overgrown with the flap gate being the only thing that is barely visible. (DWR Sutter Yard- AFreitag)10/11/2016 LS inlet is buried and WS flap gate is overgrown with blackberries.(DWR Sutter Yard - afreitag)04/19/2016 WS flap gate is completely overgrown with blackberries. 05/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate.11/17/2014 Ws outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 LS intake is filled and blocked with soil. (W. Wylie - DWR UCIP) FIELD\_STRUCT\_DESC: 16-inch corrugated metal drainage pipe through the levee (high ground levee), 5 feet below the crown. Flap gate located on the waterside (WS) end. Landside (LS) inlet filled and blocked with soil in 2012. [Additional Reference(s): DWR Levee Log, Revised 1990].

FS Date: 2/12/2019 12:21:00 PM

Photo 1 of 3 : UCIP\_FA\_2019\_55563\_78992.jpg



Overview of landside drainage path across levee section.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>1.54</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID	19423				

**Comment Code**

**Inspector Comment**

DS\_ID:19423  
FS\_ID:55563  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. LS inlet was excavated to remove soil buildup. Barbed wire fence prevents access to LS inlet. Property owner has complained to the maintaining LMA (Sutter Yard) of flooding issues associated with clogged pipe and property owner would like the LMA to clean pipe. Need to determine ownership of pipe. (O. Magana - DWR UCIP)04/10/2017 LS inlet is buried, WS pipe outlet is overgrown with the flap gate being the only thing that is barely visible. (DWR Sutter Yard- AFreitag)10/11/2016 LS inlet is buried and WS flap gate is overgrown with blackberries.(DWR Sutter Yard - afreitag)04/19/2016 WS flap gate is completely overgrown with blackberries. 05/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate.11/17/2014 Ws outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 LS intake is filled and blocked with soil. (W. Wylie - DWR UCIP) FIELD\_STRUCT\_DESC: 16-inch corrugated metal drainage pipe through the levee (high ground levee), 5 feet below the crown. Flap gate located on the waterside (WS) end. Landside (LS) inlet filled and blocked with soil in 2012. [Additional Reference(s): DWR Levee Log, Revised 1990].  
FS Date: 2/12/2019 12:21:00 PM

Photo 2 of 3 : UCIP\_FA\_2019\_55563\_78989.jpg



WS view: steep slope with dry vegetation along bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>1.54</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>1.54</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID	19423				

**Comment Code**

**Inspector Comment**

DS\_ID:19423  
FS\_ID:55563  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. LS inlet was excavated to remove soil buildup. Barbed wire fence prevents access to LS inlet. Property owner has complained to the maintaining LMA (Sutter Yard) of flooding issues associated with clogged pipe and property owner would like the LMA to clean pipe. Need to determine ownership of pipe. (O. Magana - DWR UCIP)04/10/2017 LS inlet is buried, WS pipe outlet is overgrown with the flap gate being the only thing that is barely visible. (DWR Sutter Yard- AFreitag)10/11/2016 LS inlet is buried and WS flap gate is overgrown with blackberries.(DWR Sutter Yard - afreitag)04/19/2016 WS flap gate is completely overgrown with blackberries. 05/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate.11/17/2014 Ws outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 LS intake is filled and blocked with soil. (W. Wylie - DWR UCIP) FIELD\_STRUCT\_DESC: 16-inch corrugated metal drainage pipe through the levee (high ground levee), 5 feet below the crown. Flap gate located on the waterside (WS) end. Landside (LS) inlet filled and blocked with soil in 2012. [Additional Reference(s): DWR Levee Log, Revised 1990].  
FS Date: 2/12/2019 12:21:00 PM

Photo 3 of 3 : UCIP\_FA\_2019\_55563\_78988.jpg



LS view: plugged inlet.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.54	Rating **	U	Issue No.	40
LM End	1.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170834 °	39.170834 °
				-121.697831 °	-121.697831 °
DWR ID	DWR_ST0020_02_f_2019_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is advancing further into the access road and needs to be addressed.					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_40\_20190920\_00085.jpg



View of erosion on the waterside slope/bank. Fall 2019.

LM Start	1.55	Rating **	M	Issue No.	3
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170832 °	39.170732 °
				-121.697680 °	-121.689082 °
DWR ID	DWR_ST0020_02_f_2019_3				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion through this stretch needs to be addressed to prevent further erosion of the access road.					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_3\_20190920\_00086.jpg



View of typical erosion along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.66	Rating **	M	Issue No.	52
LM End	1.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170826 °	39.170826 °
				-121.695708 °	-121.695708 °
DWR ID	19430				
Comment Code					
Inspector Comment					
DS_ID:19430 FS_ID:55481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. No pipe was found. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. Unable to determine the status of 4-inch pipe. Recommend removing dense vegetation to determine if pipe has been abandoned or recommend conducting geophysical investigation through this section of high ground levee to determine if any signal of metal pipe is detected. (O. Magana - DWR UCIP)04/10/2017 Unable to locate any sign of this crossing on the WS. (DWR Sutter Yard-AFreitag)10/11/2016 Still unable to see where this crosses through the levee.(DWR Sutter Yard - afreitag)04/19/2016 Still unable to see where pipe crosses through the levee.05/12/2105 Unable to locate where pipe crosses though levee.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 unable to locate pipe through levee. FIELD_STRUCT_DESC: 4-inch pipe through the levee (high ground levee), 4-feet below the crown. Pump next to junction box located on the landside (LS) 40 feet from LS shoulder. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 2/12/2019 12:22:00 PM					

Photo 1 of 3 : UCIP\_FA\_2019\_55481\_78994.jpg



Overview of levee section (high ground) where pipe crosses.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.66	Rating **	M	Issue No.	52 (cont)
LM End	1.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170826°	39.170826°
				-121.695708°	-121.695708°
DWR ID	19430				
Comment Code					
Inspector Comment					
DS_ID:19430 FS_ID:55481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. No pipe was found. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. Unable to determine the status of 4-inch pipe. Recommend removing dense vegetation to determine if pipe has been abandoned or recommend conducting geophysical investigation through this section of high ground levee to determine if any signal of metal pipe is detected. (O. Magana - DWR UCIP)04/10/2017 Unable to locate any sign of this crossing on the WS. (DWR Sutter Yard-AFreitag)10/11/2016 Still unable to see where this crosses through the levee.(DWR Sutter Yard - afreitag)04/19/2016 Still unable to see where pipe crosses through the levee.05/12/2105 Unable to locate where pipe crosses though levee.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 unable to locate pipe through levee. FIELD_STRUCT_DESC: 4-inch pipe through the levee (high ground levee), 4-feet below the crown. Pump next to junction box located on the landside (LS) 40 feet from LS shoulder. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 2/12/2019 12:22:00 PM					

Photo 2 of 3 : UCIP\_FA\_2019\_55481\_78993.jpg



LS view: junction box located on the LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.66	Rating **	M	Issue No.	52 (cont)
LM End	1.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170826°	39.170826°
				-121.695708°	-121.695708°
DWR ID	19430				
Comment Code					
Inspector Comment					
DS_ID:19430 FS_ID:55481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. No pipe was found. Record has been updated from No Action Needed to Non-Urgent, no permit has been found authorizing pipe. Unable to determine the status of 4-inch pipe. Recommend removing dense vegetation to determine if pipe has been abandoned or recommend conducting geophysical investigation through this section of high ground levee to determine if any signal of metal pipe is detected. (O. Magana - DWR UCIP)04/10/2017 Unable to locate any sign of this crossing on the WS. (DWR Sutter Yard-AFreitag)10/11/2016 Still unable to see where this crosses through the levee.(DWR Sutter Yard - afreitag)04/19/2016 Still unable to see where pipe crosses through the levee.05/12/2105 Unable to locate where pipe crosses though levee.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 unable to locate pipe through levee. FIELD_STRUCT_DESC: 4-inch pipe through the levee (high ground levee), 4-feet below the crown. Pump next to junction box located on the landside (LS) 40 feet from LS shoulder. [Additional Reference(s): DWR Levee Log, Revised 1990] FS Date: 2/12/2019 12:22:00 PM					

Photo 3 of 3 : UCIP\_FA\_2019\_55481\_11413.jpg



Enter photo 1 description or comment here.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.68	Rating **	C	Issue No.	18
LM End	1.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170810 °	39.170810 °
				-121.695342 °	-121.695342 °
DWR ID	DWR_ST0020_02_f_2018_18				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the debris from the waterside berm.					

No Photos

LM Start	1.74	Rating **	M	Issue No.	53	
LM End	1.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170832 °	39.170832 °	
				-121.694174 °	-121.694174 °	
DWR ID	20119					
Comment Code						
Inspector Comment						
DS_ID:20119 FS_ID:55482 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/4/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee (high ground levee), 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:23:00 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_55482\_78997.jpg



Overview of levee section (high ground) looking east, photo 1 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.74	Rating **	M	Issue No.	53 (cont)	
LM End	1.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170832 °	39.170832 °	
				-121.694174 °	-121.694174 °	
DWR ID	20119					
Comment Code						
Inspector Comment						
DS_ID:20119 FS_ID:55482 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/4/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee (high ground levee), 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:23:00 PM						

LM Start	<b>1.74</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>1.74</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55482\_78998.jpg



Overview of levee section (high ground) looking west, photo 2 of 2.

Photo 3 of 3 : UCIP\_FA\_2019\_55482\_78999.jpg



LS view: concrete headwall located on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.74	Rating **	M	Issue No.	54	
LM End	1.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170832 °	39.170832 °	
				-121.694174 °	-121.694174 °	
DWR ID	20122					
Comment Code						
Inspector Comment						
DS_ID:20122						
FS_ID:55483						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe crossing. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.						
FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012.						
FS Date: 2/12/2019 12:24:00 PM						

LM Start	<b>1.74</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>1.74</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55483\_79002.jpg



Overview of levee section (high ground) where pipe should cross.

Photo 2 of 3 : UCIP\_FA\_2019\_55483\_79003.jpg



LS view: no evidence of 7-inch flexible HDPE pipe present on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.74	Rating **	M	Issue No.	54 (cont)	
LM End	1.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170832 °	39.170832 °	
				-121.694174 °	-121.694174 °	
DWR ID	20122					
Comment Code						
Inspector Comment						
DS_ID:20122 FS_ID:55483 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe crossing. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - aFreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:24:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55483\_79004.jpg



WS view: no evidence of 7-inch flexible HDPE pipe present on WS, only 5-inch steel pipe represent.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	55	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170806 °	39.170806 °	
				-121.693769 °	-121.693769 °	
DWR ID	20120					
Comment Code						
Inspector Comment						
DS_ID:20120 FS_ID:55484 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee (high ground levee), 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:25:00 PM						

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55484\_79005.jpg



Overview of levee section (high ground) looking east towards crossings, 5- and 7-inch pipes.

Photo 2 of 3 : UCIP\_FA\_2019\_55484\_79006.jpg



Overview of levee section (high ground) looking west, concrete box located on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	55 (cont)	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170806 °	39.170806 °	
				-121.693769 °	-121.693769 °	
DWR ID	20120					
Comment Code						
Inspector Comment						
DS_ID:20120 FS_ID:55484 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 5-inch aluminum drainage pipe through the levee (high ground levee), 1 foot below the crown. Flap gate located on the waterside (WS) with concrete headwall block on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:25:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55484\_79009.jpg



LS view: overview of LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	56	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170806 °	39.170806 °	
				-121.693769 °	-121.693769 °	
DWR ID	20121					
Comment Code						
Inspector Comment						
DS_ID:20121						
FS_ID:55485						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard - AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.						
FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012.						
FS Date: 2/12/2019 12:26:00 PM						

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55485\_79012.jpg



LS view: no evidence found on LS only concrete headwall associated with 5-inch drain pipe.

Photo 2 of 3 : UCIP\_FA\_2019\_55485\_79010.jpg



Overview of levee section (high ground) where pipe crosses, concrete headwall visible on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.76	Rating **	M	Issue No.	56 (cont)	
LM End	1.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170806 °	39.170806 °	
				-121.693769 °	-121.693769 °	
DWR ID	20121					
Comment Code						
Inspector Comment						
DS_ID:20121 FS_ID:55485 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent no permit has been found authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:26:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55485\_79011.jpg



WS view: 5-inch steel and 7-inch HDPE pipes visible on WS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>1.78</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.170805 °	39.170805 °	
			-121.693357 °	-121.693357 °	
DWR ID	19437				

**Comment Code**

**Inspector Comment**

DS\_ID:19437  
FS\_ID:55486  
EP\_NO: 2400  
Repair Type: Non-Urgent  
Crossing Status: Not Found  
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, status of pipe through high ground levee unknown. No pipe was found. Recommend removing dense vegetation to determine if pipe has been abandoned or recommend conducting geophysical investigation through this section of high ground levee to determine if any signal of metal pipe is detected. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard-AFreitag)10/11/2016 Unable to locate.(DWR Sutter Yard -afreitag)04/19/2106 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate10//16. 05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate.  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee (high ground levee), at an unknown depth. Flap gate located on the waterside (WS). (24-inch pipe authorized under Permit No. 2400, 1953 - Selma Meyer).  
FS Date: 2/12/2019 12:26:00 PM

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55486\_79013.jpg



LS view: dense vegetation covers LS shoulder making it difficult to find pipe.

Photo 2 of 3 : UCIP\_FA\_2019\_55486\_79015.jpg



Overview of levee section (high ground) where pipe should cross.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.78	Rating **	M	Issue No.	57 (cont)	
LM End	1.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170805 °	39.170805 °	
				-121.693357 °	-121.693357 °	
DWR ID	19437					
Comment Code						
Inspector Comment						
DS_ID:19437 FS_ID:55486 EP_NO: 2400 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, status of pipe through high ground levee unknown. No pipe was found. Recommend removing dense vegetation to determine if pipe has been abandoned or recommend conducting geophysical investigation through this section of high ground levee to determine if any signal of metal pipe is detected. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard - A Freitag)10/11/2016 Unable to locate.(DWR Sutter Yard - A Freitag)04/19/2106 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate10//16. 05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. Unable to locate.10/16/2012 Unable to locate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee (high ground levee), at an unknown depth. Flap gate located on the waterside (WS). (24-inch pipe authorized under Permit No. 2400, 1953 - Selma Meyer). FS Date: 2/12/2019 12:26:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55486\_79014.jpg



WS view: unable to locate pipe on WS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.93	Rating **	M	Issue No.	58
LM End	1.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170771 °	39.170771 °
				-121.690631 °	-121.690631 °
DWR ID	20123				

**Comment Code**

**Inspector Comment**

DS\_ID:20123  
FS\_ID:55487  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - aFreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion.05/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet.11/04/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD\_STRUCT\_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. Signage for crossing is visible on the landside (LS) shoulder. Outlet visible on the waterside (WS) shoulder. No permit has been identified since crossing was field discovered in 2012.  
FS Date: 2/12/2019 12:27:00 PM

Photo 1 of 3 : UCIP\_FA\_2019\_55487\_79017.jpg



Overview of levee section (high ground) where pipe crosses.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>1.93</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>1.93</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.170771 °	39.170771 °	
			-121.690631 °	-121.690631 °	
DWR ID	20123				

**Comment Code**

**Inspector Comment**

DS\_ID:20123  
FS\_ID:55487  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - aFreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion.05/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet.11/04/2013 Same as last inspection.10/16/2012 No permit identified for crossing. FIELD\_STRUCT\_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. Signage for crossing is visible on the landside (LS) shoulder. Outlet visible on the waterside (WS) shoulder. No permit has been identified since crossing was field discovered in 2012.  
FS Date: 2/12/2019 12:27:00 PM

LM Start	<b>1.93</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>1.93</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_55487\_79020.jpg



LS view: overview of LS with minor elevation change between LS ground and levee section (high ground).

Photo 3 of 3 : UCIP\_FA\_2019\_55487\_79018.jpg



LS view: 6.5-inch steel pipe visible on the LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.97	Rating **	M	Issue No.	59	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170754 °	39.170754 °	
				-121.689815 °	-121.689815 °	
DWR ID	20124					
Comment Code						
Inspector Comment						
DS_ID:20124 FS_ID:55488 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion.05/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. Pipe visible on the waterside (WS) shoulder. Intake with grate visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:27:00 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_55488\_79021.jpg



Overview of levee section (high ground) where pipe crosses, photo 1 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.97	Rating **	M	Issue No.	59 (cont)	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170754 °	39.170754 °	
				-121.689815 °	-121.689815 °	
DWR ID	20124					
Comment Code						
Inspector Comment						
DS_ID:20124 FS_ID:55488 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - aFreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion.05/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. Pipe visible on the waterside (WS) shoulder. Intake with grate visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 12:27:00 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_55488\_79024.jpg



Overview of levee section (high ground) where pipe crosses, photo 2 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170754 °	39.170754 °
				-121.689815 °	-121.689815 °
DWR ID	20124				

**Comment Code**

**Inspector Comment**

DS\_ID:20124

FS\_ID:55488

EP\_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - aFreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion.05/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet.10/16/2012 No permit identified for this crossing.

FIELD\_STRUCT\_DESC: 7-inch flexible high-density polyethylene (HDPE) drainage pipe through the levee (high ground levee), 1 foot below the crown. Pipe visible on the waterside (WS) shoulder. Intake with grate visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012.

FS Date: 2/12/2019 12:27:00 PM

Photo 3 of 3 : UCIP\_FA\_2019\_55488\_79022.jpg



LS view: pipe inlet with screen to prevent pipe from clogging.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.98	Rating **	M	Issue No.	60	
LM End	1.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170733 °	39.170733 °	
				-121.689604 °	-121.689604 °	
DWR ID	19428					
Comment Code						
Inspector Comment						
DS_ID:19428 FS_ID:55489 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing this pipe. Pipe drains business parking lot. LS inlet is about 250 feet south of levee near building corner. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 12-inch polyvinyl chloride (PVC) drainage pipe through the levee (high ground levee), 2 feet below the crown. Pipe drains business parking lot. [Additional Reference(s): DWR Levee Log, Revised 1990]. FS Date: 2/12/2019 2:58:00 PM						

LM Start	<b>1.98</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>1.98</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55489\_79026.jpg



Overview of levee section (high ground) where pipe crosses.

Photo 2 of 3 : UCIP\_FA\_2019\_55489\_79027.jpg



LS view: overview of the LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	1.98	Rating **	M	Issue No.	60 (cont)	
LM End	1.98	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170733 °	39.170733 °	
				-121.689604 °	-121.689604 °	
DWR ID	19428					
Comment Code						
Inspector Comment						
DS_ID:19428 FS_ID:55489 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing this pipe. Pipe drains business parking lot. LS inlet is about 250 feet south of levee near building corner. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 12-inch polyvinyl chloride (PVC) drainage pipe through the levee (high ground levee), 2 feet below the crown. Pipe drains business parking lot. [Additional Reference(s): DWR Levee Log, Revised 1990]. FS Date: 2/12/2019 2:58:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55489\_79028.jpg



LS view: pipe inlet is about 250 feet south from levee near building corner.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.03	Rating **	M	Issue No.	61
LM End	2.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688572 °	-121.688572 °
DWR ID	20125				

**Comment Code**

**Inspector Comment**

DS\_ID:20125

FS\_ID:55490

EP\_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard - AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.

FIELD\_STRUCT\_DESC: Steel fiber optics conduit of an unknown size through the levee (high ground levee), at an unknown depth. Crossing is located on the east side of Township Road bridge. Marker visible on east side of North Township Drive, south of interceptor. Owner is Pacific, and their contact number is 1-877-735-7366. No permit has been identified since crossing was field discovered in 2012.

FS Date: 2/12/2019 2:59:00 PM

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55490\_79045.jpg



Overview of levee section (high ground) where com, gas, and drain line cross, photo taken looking east towards crossings.

Photo 2 of 3 : UCIP\_FA\_2019\_55490\_79050.jpg



WS view: levee section at Pease Rd and Township Rd.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.03	Rating **	M	Issue No.	61 (cont)	
LM End	2.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170708 °	39.170708 °	
				-121.688572 °	-121.688572 °	
DWR ID	20125					
Comment Code						
Inspector Comment						
DS_ID:20125 FS_ID:55490 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: Steel fiber optics conduit of an unknown size through the levee (high ground levee), at an unknown depth. Crossing is located on the east side of Township Road bridge. Marker visible on east side of North Township Drive, south of interceptor. Owner is Pacific, and their contact number is 1-877-735-7366. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 2:59:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55490\_79048.jpg



WS view: communication markers continue along the south portion of Township Road.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.170708 °	39.170708 °	
			-121.688566 °	-121.688566 °	
DWR ID	20126				

**Comment Code**

**Inspector Comment**

DS\_ID:20126

FS\_ID:55491

EP\_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no maintenance records or inspection records were obtained to determine the condition of the line. No permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.

FIELD\_STRUCT\_DESC: Steel gas line crossing of an unknown size through the levee (high ground levee), at an unknown depth. Sign visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012.

FS Date: 2/12/2019 2:59:00 PM

LM Start	<b>2.03</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_55491\_79031.jpg



Overview of levee section at Township Road and Pease Road.

Photo 2 of 3 : UCIP\_FA\_2019\_55491\_79036.jpg



WS view: bridge crossing located on Pease Rd and Township Rd.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.03	Rating **	M	Issue No.	62 (cont)	
LM End	2.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170708 °	39.170708 °	
				-121.688566 °	-121.688566 °	
DWR ID	20126					
Comment Code						
Inspector Comment						
DS_ID:20126 FS_ID:55491 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no maintenance records or inspection records were obtained to determine the condition of the line. No permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.11/04/2013 Same as last inspection.05/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: Steel gas line crossing of an unknown size through the levee (high ground levee), at an unknown depth. Sign visible on the landside (LS). No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 2:59:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55491\_79034.jpg



WS view: overview of PG&E line alignment from WS to LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.05	Rating **	M	Issue No.	63	
LM End	2.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170639 °	39.170639 °	
				-121.688445 °	-121.688445 °	
DWR ID	20127					
Comment Code						
Inspector Comment						
DS_ID:20127 FS_ID:55492 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Blackberries around the WS pipe outlet were sprayed and killed. Pipe appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 WS flap gate is being overgrown by blackberries that could possibly hinder its operation. They should be sprayed and cleared back.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/15/2013 Same as last inspection.11/04/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal drainage pipe through the levee (high ground levee), 6 feet below the crown. Flap gate is located on the waterside (WS). Pipe is visible on the landside (LS) toe. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 3:00:00 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_55492\_79038.jpg



Overview of levee section (high ground), looking east towards multiple crossings.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.05	Rating **	M	Issue No.	63 (cont)	
LM End	2.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170639 °	39.170639 °	
				-121.688445 °	-121.688445 °	
DWR ID	20127					
Comment Code						
Inspector Comment						
DS_ID:20127 FS_ID:55492 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Blackberries around the WS pipe outlet were sprayed and killed. Pipe appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 WS flap gate is being overgrown by blackberries that could possibly hinder its operation. They should be sprayed and cleared back.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/15/2013 Same as last inspection.11/04/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal drainage pipe through the levee (high ground levee), 6 feet below the crown. Flap gate is located on the waterside (WS). Pipe is visible on the landside (LS) toe. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 3:00:00 PM						

Photo 2 of 3 : UCIP\_FA\_2019\_55492\_79039.jpg



Overview of levee section (high ground), looking south towards multiple crossings.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.05	Rating **	M	Issue No.	63 (cont)	
LM End	2.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170639 °	39.170639 °	
				-121.688445 °	-121.688445 °	
DWR ID	20127					
Comment Code						
Inspector Comment						
DS_ID:20127 FS_ID:55492 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record remains Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Blackberries around the WS pipe outlet were sprayed and killed. Pipe appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 WS flap gate is being overgrown by blackberries that could possibly hinder its operation. They should be sprayed and cleared back.(DWR Sutter Yard - afreitag)04/19/2016 Crossing appears to be in good condition.05/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.05/12/2014 Same as last inspection.05/15/2013 Same as last inspection.11/04/2013 Same as last inspection.10/16/2012 No permit identified for this crossing. FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal drainage pipe through the levee (high ground levee), 6 feet below the crown. Flap gate is located on the waterside (WS). Pipe is visible on the landside (LS) toe. No permit has been identified since crossing was field discovered in 2012. FS Date: 2/12/2019 3:00:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_55492\_79040.jpg



Overview of levee section (high ground), looking west towards com, gas, and drainage line.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Sutter Maintenance Yard East-West Interceptor**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	2.72	Rating **	U	Issue No.	38
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.170624 °	39.170624 °
				-121.675992 °	-121.675992 °
DWR ID	DWR_ST0020_02_s_2019_38				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Significant rodent activity is present. The surface runoff is further eroding the waterside shoulder/slope.					

Photo 1 of 1 : FA\_2019\_ST0020\_214\_38\_20190822\_00010.jpg



View of significant rodent activity on the waterside slope. Spring 2019.

LM Start	2.94	Rating **	M	Issue No.	64	
LM End	2.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.170599 °	39.170599 °	
				-121.671889 °	-121.671889 °	
DWR ID	19438					
Comment Code						
Inspector Comment						
DS_ID:19438 FS_ID:55493 EP_NO: 16968 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 02/12/2019 Unit 2 known as the East Levee (East Interceptor Canal) is considered a high ground levee with no defined levee prism, any issue found along this Unit will be considered a maintenance issue, an unauthorized encroachment, or an abandoned encroachment. Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing this pipe. (O. Magana - DWR UCIP)04/10/2017 Unable to locate. (DWR Sutter Yard- AFreitag)10/11/2016 Unable to locate.(DWR Sutter Yard - aFreitag)04/19/2016 Unable to locate.05/12/2015 Unable to locate.11/17/2014 Unable to locate.05/12/2014 Same as last inspection.11/04/2013 Does not appear to be a crossing. Concrete standpipe on LS toe is just an old piece of concrete pipe sitting on ground.05/15/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch concrete riser located on the landside (LS) toe. No crossing visible in 2012 unable to determine if 24-inch concrete riser is associated with pipe through levee and authorized under Permit No. 16968. Need to request CVFPB permit archive to determine description of work authorized under Permit No. 16968. FS Date: 2/12/2019 3:00:00 PM						

Photo 1 of 1 : UCIP\_FA\_2019\_55493\_79051.jpg



Overview of levee section where crossing should be, no evidence was found of crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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